



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. 02-013)

PATENT

In the application of:	)	
SHARMA <i>et al.</i>	)	
	)	
Serial No. 10/043,774	)	Before the Examiner:
	)	Terry A. McKelvey
	)	Ph.D.
Filed: January 10, 20002	)	
	)	
For: Human Hematopoietic Growth	)	Group Art Unit:1636
Regulatory Gene and Uses	)	

**DECLARATION PURSUANT TO 37 C.F.R. §1.132**

We, Arun Sharma, residing at 645 North Lombard Avenue, Oak Park, Illinois 60302, and Ronald Hoffman, residing at 1962 North Fremont Avenue, Chicago, Illinois 60614, hereby declare:

1. We are named co-inventors on United States Letters Patent Application Serial No. 10/043,774, filed on January 10, 2002.
2. We are the true and only joint inventors of the instantly-claimed invention.
3. The persons named as authors on the scientific journal reference, Sharma *et al.*, 2001, "Human CD34+ stem cells express the *hiwi* gene, a human homologue of the *Drosophila* gene *piwi*." Blood 97: 426-434, acted under the direction and control of the named inventors.
4. We hereby declare further that all statements made herein by each of us to our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signed \_\_\_\_\_  
Arun Sharma

Signed \_\_\_\_\_  
Ronald Hoffman

Date: \_\_\_\_\_

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